

ABSTRACT

[0051] A method and apparatus is used to create a filesystem with transaction based functionality. Creating the filesystem includes receiving an indicator to initiate a transaction for files stored in one or more portions of the filesystem, duplicating the one or more portions of the filesystem within a pseudo-filesystem, and creating a control text file that receives text-based commands to operate on the pseudo-filesystem. In addition, the method and apparatus can also be used for interfacing with a filesystem. The interfacing operation includes receiving a text-based command in a command file for operating on a pseudo-filesystem corresponding to the filesystem within a transaction, determining whether one or more data dependencies would prevent the text-based command from being performed on the pseudo-filesystem, performing the text-based command and potentially modifying the pseudo-filesystem, the filesystem and one or more corresponding files associated with the pseudo-filesystem and filesystem respectively.